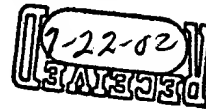


Official

TRW Docket No. 12-0892

#7/2/02
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7/24/02
K. M. Wallace
K. M. Wallace**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Berger et al.)
Application No.: 09/240,275) Group Art Unit: 2634
Filed: January 29, 1999) Examiner: Kim, Heechul
Title: Adaptive Decision Regions and Metrics)

CERTIFICATION OF FACSIMILE TRANSMISSION

I hereby certify that this correspondence is being facsimile transmitted to the Patent and Trademark Office (FAX No. 703-872-9314 on 07/22/02.

Lynn E. Cabiles

Lynn E. Cabiles
Signature

OFFICE ACTION RESPONSE

Commissioner for Patents
Washington, D.C. 20231

In response to the Official Action mailed on February 20, 2002, please enter the following amendment.

IN THE SPECIFICATION

Please add the following paragraph on page 1 after the title "Adaptive Decision Regions and Metrics".

al concl: The U.S. Government has certain rights in this invention pursuant to the clause at FAR 52.227-12.

Please replace the paragraph on page 2, lines 17-27 with the following:

as cont: Decoding of PSK and QAM modulated signals is also known in the art. In general, the PSK or QAM signal is received, demodulated, filtered and sampled. The sample is known as the decision variable. For example, the QPSK constellation illustrated in FIG. 1 can be divided into four